

## **BRIDGETON LANDFILL Questions (cont.)**

### **Mr. Ferdman's RECOMMENDATIONS**

Quarry or the rate at which the reaction is expanding would interfere with completion of the wall construction. The vertical barrier wall should also incorporate a set of 8 to 12 gas carbon dioxide, injection wells as a failsafe.

14. Based on the data conditions above, site conditions, fire science, and engineering, I do not recommend allowing the North Quarry to be used as a fire break from the Radiological Unit. There are a number of reasons why the reaction should be contained to the South Quarry, of primary concern is allowing the North Quarry, an unknown waste mass, to react over time and assume it will respond the same as the South Quarry. The impact to the community from another long term landfill gas exposure must be considered and accounted for in making this decision. All attempts to contain the smoldering and heating event should be done at the narrow portion of the facility. The operator should be required to use all available technology to contain the reaction in the South Quarry and allow no advancement through the neck area into the North Quarry.

15. If Republic Services once again elects not to install the vertical barrier wall put forward by Dr. Stark, a third set of gas interceptor wells at distance of 25% less than previously installed TMP line GIW-8 to GIW-13 or the addition of 8 to 9 GIW should be installed within 45 days of this report to contain the reaction.

16. I also recommend the North Quarry be capped with the same cover system being applied in the South Quarry to further reduce the possibility of oxygen intrusion into the waste mass and to minimize odors.

17. Gas temperature data from the GIW system should be plotted and submitted weekly to DNR until all the data shows a decreasing trend and all gas temperatures are below 165°F.

A: See page 9.

### **BLOG**

46. Q: What about the blog post that showed the odors were radioactive?

A: MDHSS has conducted screening for radioactive compounds. It has been determined it does not present a health threat to off-site residents. Information can be found on the MDHSS webpage.

### **Anticipated**

47. Q: What do you think about MDNR's expert's report?

A: We have asked our ORD experts to review the gas composition, temperature and the measurements at the site along with the Thallhamer report. They have not completed the evaluation of the data.